

9TH UNISEC-GLOBAL MEETING Photo Report

X-NIHONBASHI TOWER 11.27-12.1, 2023



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- UNISEC-Global Local Chapter Regional Report
- Earth Observation Forefront-Hands-on Workshop
- Student Session

December 1st

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- J-CUBE Workshop
- Closing Ceremony
- Gala Dinner



HEPTA-Sat Training



Instructor:
Mohammed Khalil Ibrahim
Cairo University



The 5th Space Job Fair



Moderator: Shinsei Sato
Opening remarks: Rei Kawashima

Exhibitors

- ArkEdge Space Inc.
- Astroscale Japan. Inc
- HIREC Corporation
- IHI AEROSPACE Co.,Ltd.
- Institute for Q-shu Pioneers of Space, Inc.
- ispace, inc.
- Japan Manned Space Systems Corp.
- Mitsubishi Electric Corp.
- NEC corporation
- SAKURA Rubber Co., Ltd
- Space BD Inc.
- Super Resin, Inc.



Moderator:
Mohammed Khalil Ibrahim
Cairo University



Welcome Speech:
Rei Kawashima
UNISEC-Global



Keynote Speech:
Shinichi Nakasuka
The University of Tokyo



Keynote Speech:
Yuichi Tsuda
JAXA



Special Speech:
Robert Twiggs
Twiggs Space Lab



OPENING CEREMONY



THE 8TH MISSION IDEA CONTEST FOR MULTIPLE NANO-SATELLITES

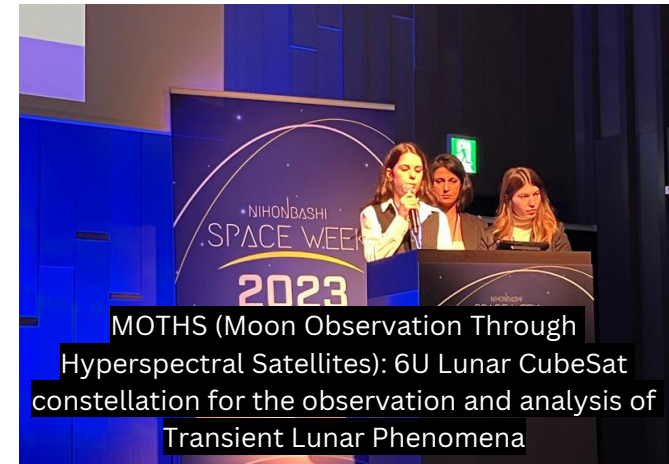
Moderator:
A. Rustem Aslan
Istanbul Technical University



Opening Speech
Herman Steyn
Stellenbosch University

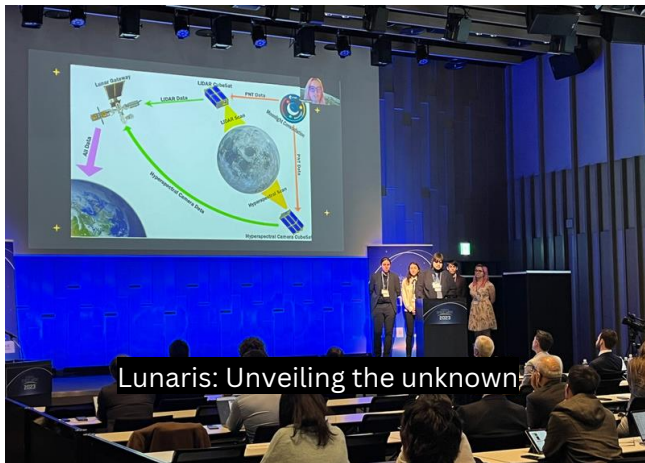


Michela Boscia, Alessia Di Giacomo, Carolina Ghini
Sapienza University of Rome, Italy



MOTHS (Moon Observation Through Hyperspectral Satellites): 6U Lunar CubeSat constellation for the observation and analysis of Transient Lunar Phenomena

David Emanuel Turcu, Remus-Mihail Palade,
Robert Andrei Dinu, Andreea-Elena Buraga, Maria-Alexandra Dobre
Politehnica Bucharest National University for Science and Technology, Romania



Lunaris: Unveiling the unknown

Tian Cilliers
Stellenbosch University,
South Africa



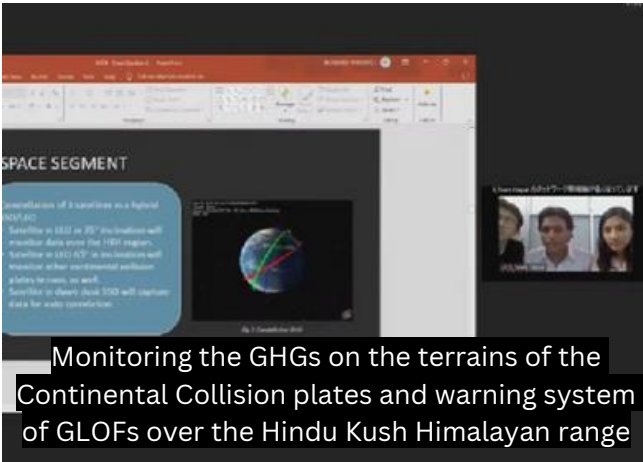
LEO Backup Earth Navigation System (LEO-BEaNS): a phased-array Ka-band CubeSat constellation PNT solution with the goal of increased reliability

Praneel Sharma, Aditya Raj Bhatia, Dhanush Mamillapally and Yash Verma
SRM Institute of Science and Technology,
Kattankulathur, India



ERFM: Europa Reconnaissance Formation Mission

Bhawana Pokharel, Bibek Yonzan and Simonkrith Lamichhane
 Institute of Engineering, Pulchowk Campus,
 Tribhuvan University, Nepal



Monitoring the GHGs on the terrains of the Continental Collision plates and warning system of GLOFs over the Hindu Kush Himalayan range

M A Moontasir Abtahee
 BRAC University, Bangladesh



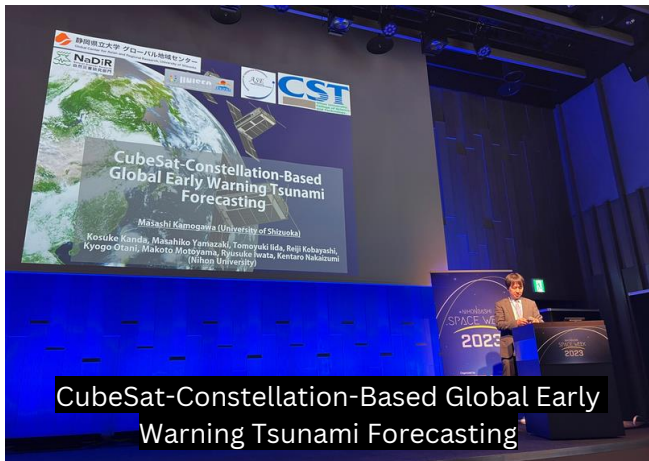
Using Constellations of Nanosatellites to Identify Coral Reef Cultivable Areas on The Seafloor

Tirawat Pintusopon, Chayapat Songpipat,
 Pongsapat Lakrod and Settasit Settagaroon
 UNISEC-Thailand, Thailand



SALVS-01: Specify Animals Location Via Sound (Constellation Mission)

Masashi Kamogawa
 University of Shizuoka, Japan



CubeSat-Constellation-Based Global Early Warning Tsunami Forecasting

Alper Guvercin, Ipek Olmez and Yunus Emre Ozdemir
 Middle East Technical University, Turkiye



CUBESAI: CubeSat-based Sensing and AI for Disease Prediction

Francesca Pelliccia
 The University of Naples Federico II, Italy



CROSSEYE: a CubeSat LEO constellation for plastic litter detection in open sea



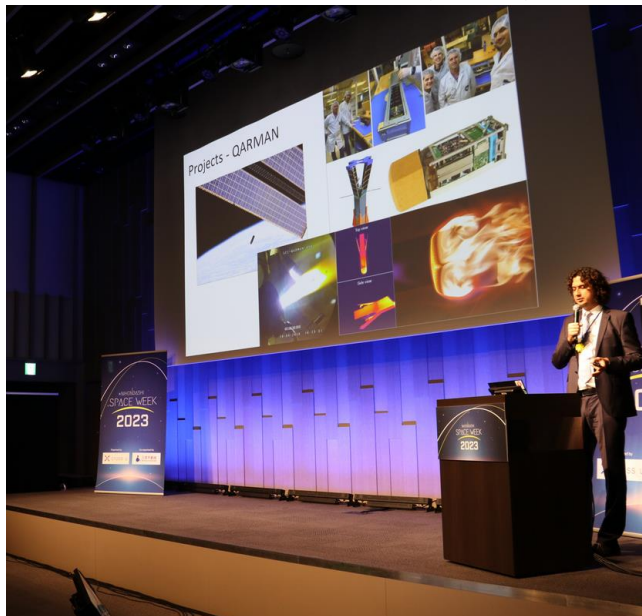
Challenge to lunar missions as a private company

Masayuki Urata

Sales Officer of ispace, inc.

Ertan Umit

Payload Systems Engineer of ispace EUROPE S.A.



SUPPORTING COMPANY PRESENTATION

by ispace

AWARD CEREMONY

1st Place



Michela Boscia, Alessia Di Giacomo, Carolina Ghini
Sapienza University of Rome, Italy

2nd Place



Tian Cilliers
Stellenbosch University, South Africa

IAA Award

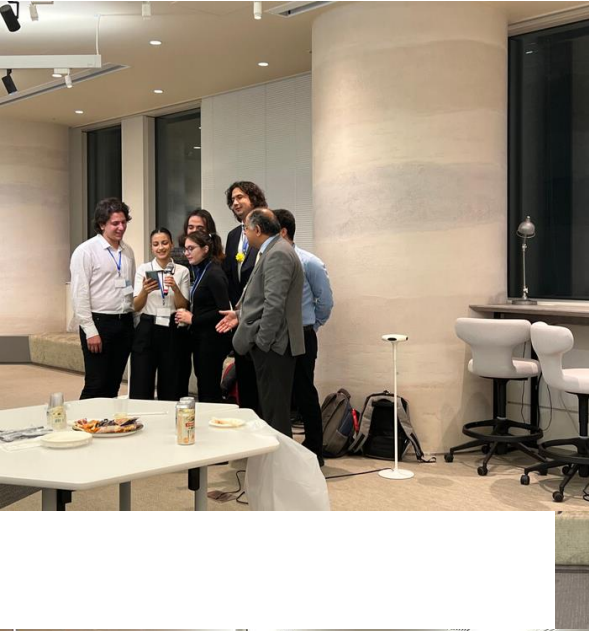


Masashi Kamogawa
University of Shizuoka, Japan

Student Prize



Bhawana Pokharel, Bibek Yonzan, Simonkrith Lamichhane
Institute of Engineering, Pulchowk Campus
Tribhuvan University, Nepal



RECEPTION for UNISEC-Global 10th Anniversary

Moderator: Tetsuhito Fuse,
Kyushu Institute of Technology



UNISEC-Taiwan
Jyh-Ching Juang
National Cheng Kung University



UNISEC-Turkiye
A. Rustem Aslan
Istanbul Technical University



UNISEC-Egypt
Mohammed Khalil Ibrahim
Cairo University



UNISEC-Thailand
Chayapat Songpipat
King Mongkut's University of Technology



UNISEC-Ethiopia
Eyoas Ergetu Areda
Kyushu Institute of Technology (Proxy)



UNISEC-Italy
Paolo Marzioli

Sapienza University of Rome



UNISEC-Japan
Mengu Cho

Kyushu Institute of Technology



POC of Netherlands
Mehmet Sevket Uludag
Delft University of Technology



UNISEC-SAR
Jurgen van der Merwe
Stellenbosch University



UNISEC-Mexico
Abraham Pablo
Instituto Politécnico Nacional



POC of New Zealand
Jim Hefkey
The University of Auckland

After Activities

15 Meeting

- Held 6 MIC style local competitions
- Held 6 P-Sat Competition and Launch events

UNISEC-Tunisia
Kamel Besbes, Samer Lahouar
University of Monastir

Events and conferences

- SPACESTAR I (Oct 22) and SPACE STAR II (Oct 23)
- Virtual Meeting UNISEC
- SPACE For Africa (April 2023)
- UNCOPIUS (Feb 2023)
- SATNAV-CRMN Webinar: "Artificial Intelligence Things in GNSS" June 2023



Pegah Hashemvand Khiabani,
Solution Service Dept.II,
Remote Sensing Technology Center of Japan (RESTEC)



Tatsuya Inoue,
Axelspace Corporation



EARTH OBSERVATION FOREFRONT HANDS-ON WORKSHOP by AXELSPACE × RESTEC

The participants enjoyed the Company Tour at AXELSPACE after the workshop.



STUDENT SESSION



Moderator:
Maximilien Berthet
the University of Tokyo



Panelist:
Herman Steyn,
Stellenbosch University



Panelist:
A. Rustem Aslan,
Istanbul Technical University



Panelist:
Mengu Cho,
Kyushu Institute of Technology



Panelist:
Masashi Kamogawa,
University of Shizuoka



Theme: UNISEC Constellation Mission

**PANEL
DISCUSSION**

Paolo Marzioli
Sapienza University of Rome



INCAVE - International Network for Cave Analog Validation Experiments: a new project proposal for UNISEC-Global joint experiments in analog missions



Restart of UNISON-Global

Honoka Shibata
UNISEC Student Intern

Hirofuka Sekine
The University of Tokyo



Establishing a University Community for Deep Space Exploration



Moderator:
Mehmet Sevket Uludag
Delft University of Technology

NEW INITIATIVE PROJECT



Presenter: Mengu Cho
Kyushu Institute of Technology



Moderator :Tetsuhito Fuse
Kyushu Institute of Technology



J-CUBE WORKSHOP



Moderator:
Maximilien Berthet
 The University of Tokyo

Closing remarks:
Shinichi Nakasuka
 The University of Tokyo



Rei Kawashima
 UNISEC-
 Global



Kuwahara Toshinori
 Tohoku University

CLOSING CEREMONY



Sponsor Speech:
Tetsuya Iwasaki,
SAKURA Rubber Co., Ltd



GALA DINNER

Thank you for your participation!

In-person Participants

- Austria ...1
- Luxemburg ...1
- Egypt ...1
- Ethiopia ...1
- Italy ...5
- Japan ...34
- Mexico ...5
- Netherlands ...1
- Philippines ...7
- Republic of Korea ...1
- Romania ...7
- Saudi Arabia ...1
- South Africa ...3
- Taiwan ...6
- Thailand ...5
- Türkiye ...5
- UK ...2

Online Participants

- New Zealand ...1
- Tunisia ...2

47 Students

43 Professionals

90 participants in total
from 19 countries / regions

Next Meeting

Time: November 25th-29th, 2024

Venue: Stellenbosch University, South Africa



See you again in South Africa!